Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/13/2021 09:04 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125176	0	1.48	125024	1.52
Blue	F	SSC	125000	124362	-1	2.56	124545	2.39
Blue	E	FITC	13131	12739	-3	2.62	294	15.76
Blue	D	PE	24112	23838	-2	2.09	546	10.81
Blue	B	PerCP-Cy5-5	31295	30833	-2	3.30	1025	14.00
Blue	A	PE-Cy7	19939	19839	-1	5.51	526	29.25
Red	C	APC	42122	41648	-2	2.83	1746	11.16
Red	A	APC-Cy7	22340	21664	-4	3.16	810	11.46
Violet	B	V450	7410	7088	-5	3.54	431	12.53
Violet	A	V500	28118	26840	-5	3.08	673	9.65

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23064	1.68	566	-3	N/A	N/A	Pass
Blue	F	SSC	57831	1.34	518	6	N/A	N/A	Pass
Blue	E	FITC	54	54.62	485	-2	0.0400	90	Pass
Blue	D	PE	115	36.61	488	0	0.4068	292	Pass
Blue	B	PerCP-Cy5-5	189	36.79	584	-2	0.0227	188	Pass
Blue	A	PE-Cy7	105	68.12	627	-1	0.0220	0	Pass
Red	C	APC	404	23.43	577	1	0.0292	182	Pass
Red	A	APC-Cy7	181	27.05	551	0	0.0065	1013	Pass
Violet	B	V450	61	60.31	458	5	0.0544	1789	Pass
Violet	A	V500	98	33.12	469	4	0.0268	776	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.58	-31.39	1.04
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.42
Red	14.75	13.60 - 20.40	N/A	N/A	29.80	29.92	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9535

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments